Standard CSP

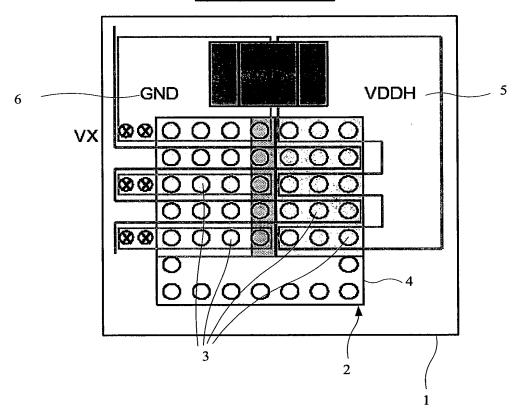


FIG. 1 (Prior Art)

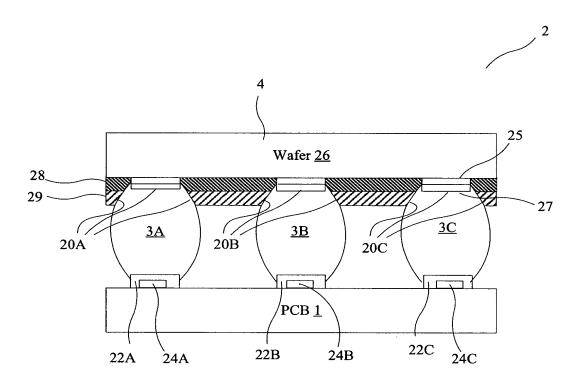


FIG. 2 (Prior Art)

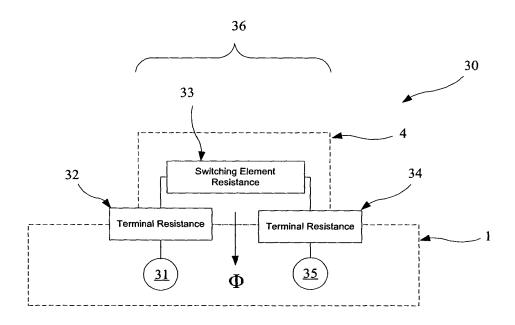


FIG. 3



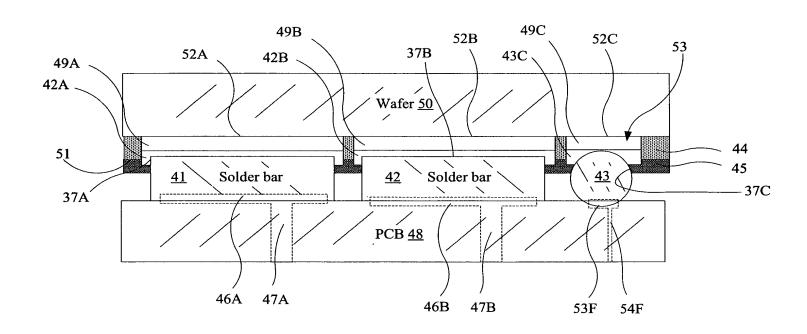


FIG. 4

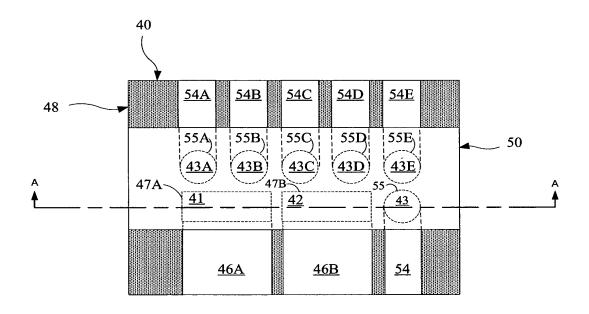
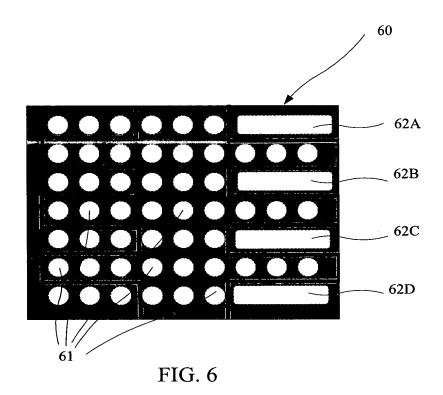
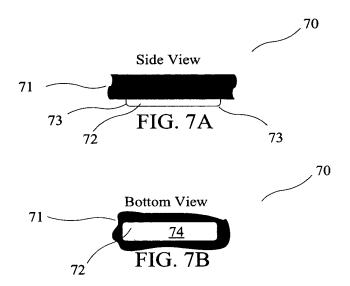
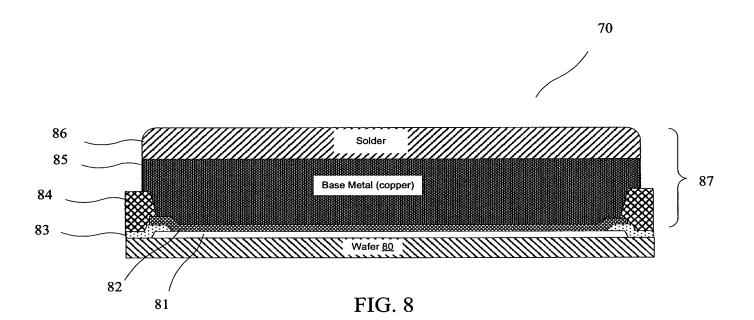


FIG. 5







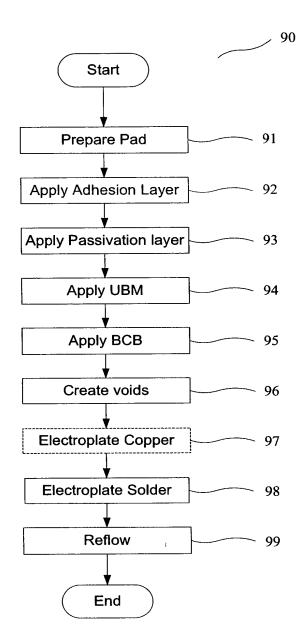
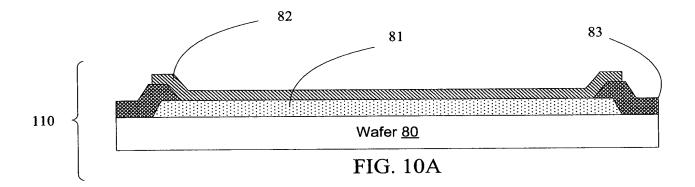
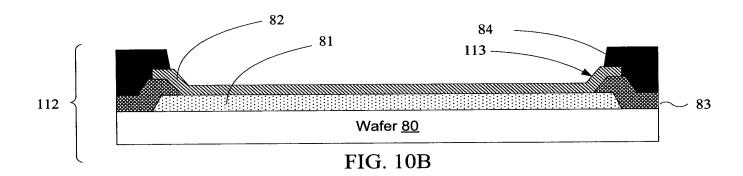


FIG. 9





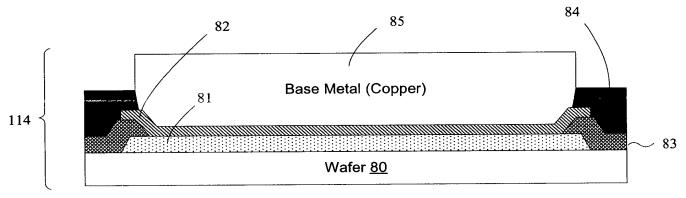


FIG. 10C

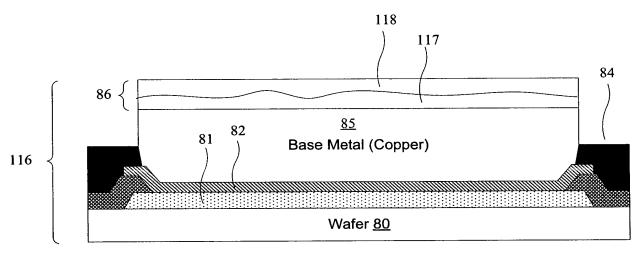


FIG. 10D

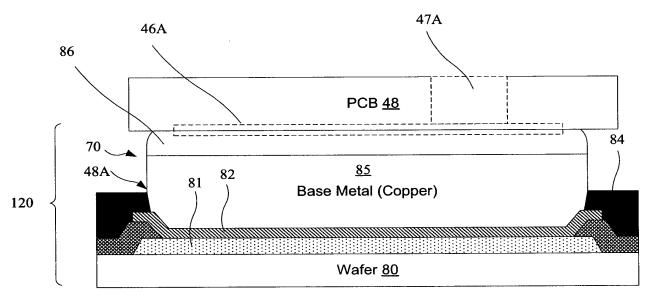
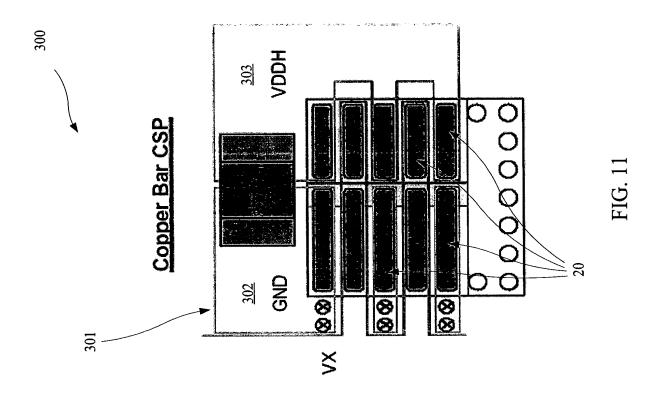
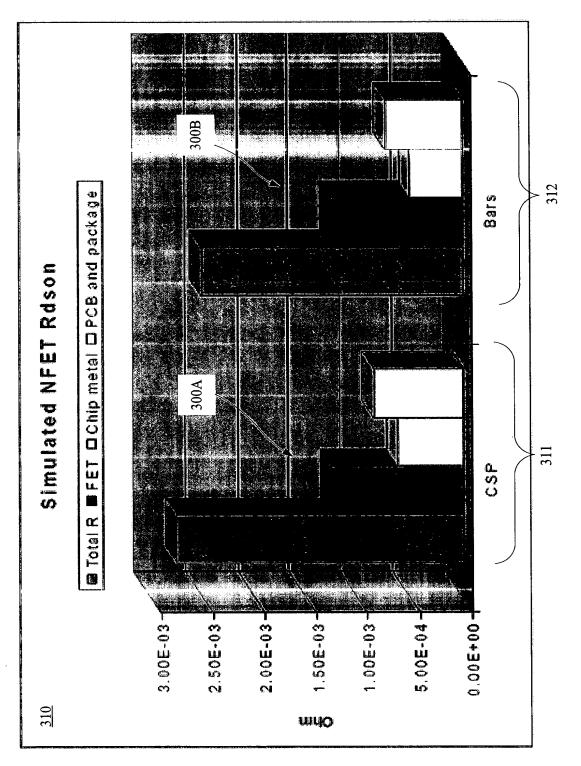
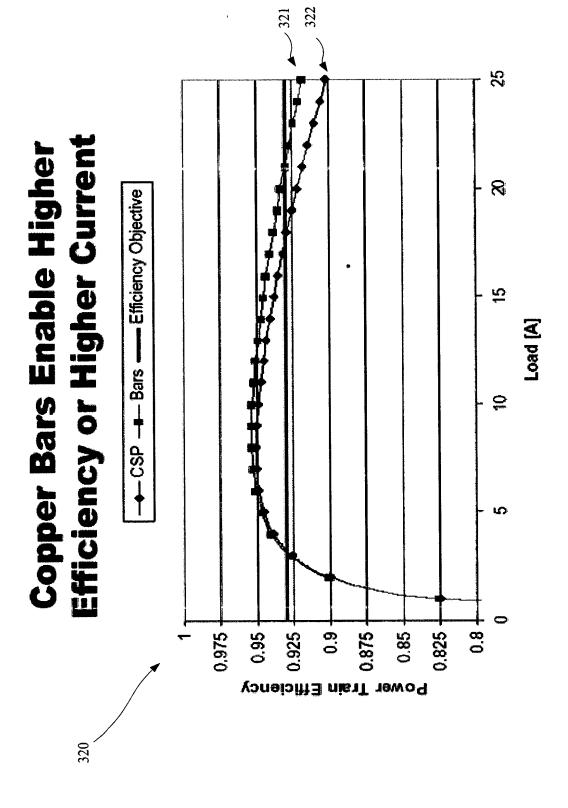


FIG. 10E





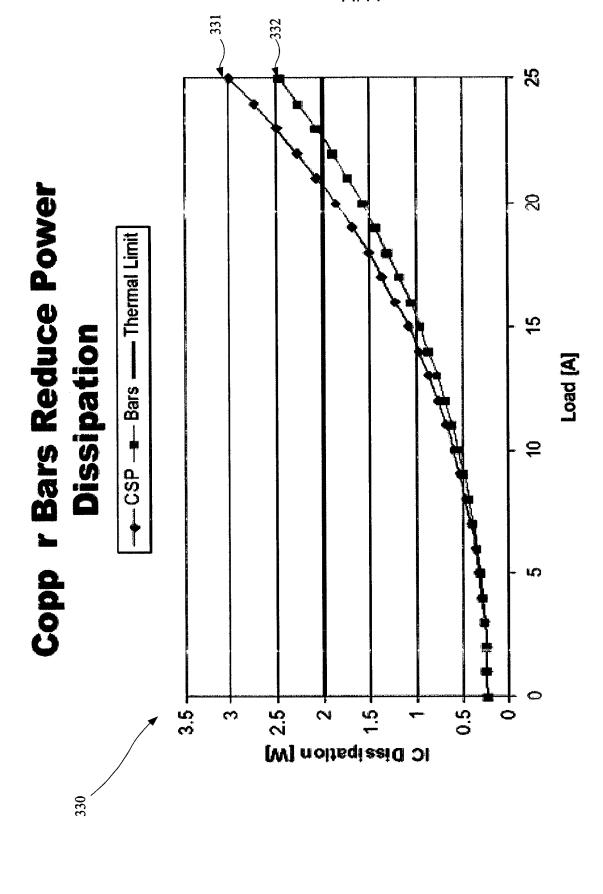
Solder bar gives 10-15% improvement in Rds over CSP FIG. 12



1.6% higher efficiency at 25A3.5A more current (20%) at 93% efficiency

FIG. 13





■ 2A more current (10%) at 2W dissipation

550mW (18%) savings at 25A

FIG. 14